

10/517878

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number  
WO 2004/001503 A1

- (51) International Patent Classification<sup>7</sup>: G03C 5/26
- (21) International Application Number: PCT/EP2003/006007
- (22) International Filing Date: 7 June 2003 (07.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
02/07768 24 June 2002 (24.06.2002) FR
- (71) Applicant (for all designated States except US): EASTMAN KODAK COMPANY [US/US]; 343 State Street, Rochester, NY 14650 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ROUSSILHE, Jacques [FR/FR]; Kodak Industrie, Dépt. Brevets, CRT - Zone Industrielle, F-71102 Chalon-sur-Saône Cedex
- (FR). TSOI, Siu, Chung [GB/GB]; Kodak Limited, Patent Dept., Headstone Drive, Harrow, Middlesex HA1 4TY (GB). HOFFMANN, Andrew, Francis [US/US]; Eastman Kodak Company, Patent Dept., 343 State Street, Rochester, NY 14650 (US).
- (74) Agent: HONORE, Anne-Claire; Kodak Industrie, Dépt. Brevets, CTR - Zone Industrielle, F-71102 Chalon-sur-Saône Cedex (FR).
- (81) Designated States (national): CN, IN, JP, US.
- (84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVELOPER CONCENTRATE FOR BLACK AND WHITE DEVELOPMENT OF PHOTOGRAPHIC MATERIALS

(57) Abstract: The present invention relates to an aqueous developer concentrate for the black and white development of silver halide photographic materials, without hydroquinone, said developer concentrate having the advantage of remaining stable and not having a problem of precipitation during storage. The developer concentrate according to the invention comprises as main developer hydroquinonesulfonic acid or one of its salts, and as co-developer a mixture comprised of 4-methyl-4-hydroxymethyl-1-phenyl-3-pyrazolidone and at least one substituted 3-pyrazolidone type co-developer.

WO 2004/001503 A1